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## PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

To:

COLLARD, Christine J.  
Borden Ladner Gervais LLP  
Suite 1000, 60 Queen Street  
Ottawa, Ontario, K1P 5Y7  
CANADA

Date of mailing (day/month/year) 12 February 2001 (12.02.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference PAT 359W-90	
International application No. PCT/CA00/00540	International filing date (day/month/year) 10 May 2000 (10.05.00)

## 1. The following indications appeared on record concerning:

☒ the applicant    ☐ the inventor    ☐ the agent    ☐ the common representative

## Name and Address

NORZYME, INC.  
1839 Logan Avenue  
Winnipeg, Manitoba R2r 0h4  
Canada

## State of Nationality

CA

## State of Residence

CA

## Telephone No.

204-633-9309

## Facsimile No.

204-269-1190

## Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person    ☐ the name    ☐ the address    ☐ the nationality    ☐ the residence

## Name and Address

THE UNIVERSITY OF MANITOBA  
Industry Liason Office  
631 Drake Centre  
Winnipeg, Manitoba, R3T 2N2  
Canada

## State of Nationality

CA

## State of Residence

CA

## Telephone No.

204-633-9309

## Facsimile No.

204-269-1190

## Teleprinter No.

## 3. Further observations, if necessary:

The company identified in box 1 has assigned all its rights to the company identified in box 2

## 4. A copy of this notification has been sent to:

☒ the receiving Office    ☐ the designated Offices concerned  
☐ the International Searching Authority    ☒ the elected Offices concerned  
☒ the International Preliminary Examining Authority    ☐ other:
The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

## Authorized officer

Catherine Massetti

Telephone No.: (41-22) 338.83.38

## PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

To:

COLLARD, Christine J.  
Borden Ladner Gervais LLP  
Suite 1000, 60 Queen Street  
Ottawa, Ontario, K1P 5Y7  
CANADA

Date of mailing (day/month/year) 12 February 2001 (12.02.01)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference PAT 359W-90	
International application No. PCT/CA00/00540	International filing date (day/month/year) 10 May 2000 (10.05.00)

## 1. The following indications appeared on record concerning:

☐ the applicant    ☐ the inventor    ☒ the agent    ☐ the common representative

Name and Address ADE & COMPANY 1700-360 Main Street Winnipeg, Manitoba R3C 3Z3 Canada	State of Nationality	State of Residence
	Telephone No. 204-947-1429	
	Facsimile No. 204-942-5723	
	Teleprinter No.	

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person    ☒ the name    ☒ the address    ☐ the nationality    ☐ the residence

Name and Address COLLARD, Christine J. Borden Ladner Gervais LLP Suite 1000, 60 Queen Street Ottawa, Ontario, K1P 5Y7 Canada	State of Nationality	State of Residence
	Telephone No. 613 237 5160	
	Facsimile No. 613 787 3558	
	Teleprinter No.	

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Catherine Massetti Telephone No.: (41-22) 338.83.38
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## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>84596-103</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/CA 00/ 00540</b>	International filing date (day/month/year) <b>10/05/2000</b>	(Earliest) Priority Date (day/month/year) <b>10/05/1999</b>
Applicant  <b>THE UNIVERSITY OF MANITOBA</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP00/00540

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N33/543 C12Q1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 308 704 A (FUJI PHOTO FILM CO LTD) 29 March 1989 (1989-03-29)	1-3, 5-9
A	claim 1; example 1	10
A	EP 0 296 036 A (ORGENICS LTD) 21 December 1988 (1988-12-21) abstract	1
A	WO 97 43438 A (GAN ZHIBO ; UNIV MANITOBA (CA); HAO XIAO (CA); MARQUARDT DONALD R ( ) 20 November 1997 (1997-11-20) cited in the application page 39 -page 42; example 3	10
A	US 5 538 858 A (MALLIA A KRISHNA ET AL) 23 July 1996 (1996-07-23) claim 1	
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

6 November 2000

Date of mailing of the international search report

22/11/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Hart-Davis, J

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/ 00/00540

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 518 557 A (LILLY CO ELI) 16 December 1992 (1992-12-16) example 1 ---	
A	TWINNING S S: "FLUORESCENCE ISOTHIOCYANATE-LABELED CASEIN ASSAY FOR PROTEOLYTIC ENZYMES" ANALYTICAL BIOCHEMISTRY, vol. 143, 1984, pages 30-34, XP000961435 cited in the application the whole document ---	
A	JONES LAURIE J; UPSON ROSALYN H; HAUGLAND ROSARIA P; PANCHUK-VOLOSHINA NATALIYA; ZHOU MINGJIE; HAUGLAND RICHARD P: "Quenched BODIPY dye-labeled casein substrates for the assay of protease activity by direct fluorescence measurement" ANALYTICAL BIOCHEMISTRY, vol. 251, 1997, pages 144-152, XP002152059 cited in the application abstract -----	

# INTERNATIONAL SEARCH REPORT

International patent family members

national Application No

PCT/00/00540

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0308704	A	29-03-1989	JP 1063863 A	09-03-1989
			JP 1063864 A	09-03-1989
EP 0296036	A	21-12-1988	JP 1221665 A	05-09-1989
WO 9743438	A	20-11-1997	AU 3122497 A	05-12-1997
			CA 2254887 A	20-11-1997
			EP 0912757 A	06-05-1999
US 5538858	A	23-07-1996	NONE	
EP 0518557	A	16-12-1992	US 5235039 A	10-08-1993
			AT 141649 T	15-09-1996
			CA 2070719 A	11-12-1992
			DE 69212911 D	26-09-1996
			DK 518557 T	09-09-1996
			JP 5194591 A	03-08-1993

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

Borden Ladner Gervais LLP  
1000-60 Queen Street  
Ottawa, Ontario K1P 5Y7  
CANADA

## PCT

### NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Rule 71.1)

Date of mailing (day/month/year)	16.08.2001
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Applicant's or agent's file reference 84596-103	<b>IMPORTANT NOTIFICATION</b>
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International application No. PCT/CA00/00540	International filing date (day/month/year) 10/05/2000	Priority date (day/month/year) 10/05/1999
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Applicant THE UNIVERSITY OF MANITOBA et al.
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1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/	Authorized officer
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 European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Danti, B  Tel. +49 89 2399-8161
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## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 84596-103	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/CA00/00540	International filing date (day/month/year) 10/05/2000	Priority date (day/month/year) 10/05/1999
International Patent Classification (IPC) or national classification and IPC C12Q1/00		
Applicant THE UNIVERSITY OF MANITOBA et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 4 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand  07/12/2000	Date of completion of this report  16.08.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 · Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Cuendet, P  Telephone No. +49 89 2399 8690 

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/CA00/00540

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-18 as originally filed

**Claims, No.:**

1-17 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/CA00/00540

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Yes:	Claims	
	No:	Claims	1-17
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-17
Industrial applicability (IA)	Yes:	Claims	1-17
	No:	Claims	

2. Citations and explanations  
**see separate sheet**

## VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:  
**see separate sheet**

1). **Point V.2.**

1.1. The present method of claim 10 (and claims 11-17) for measuring the activity or concentration of a bioactive molecule would appear to lack novelty or at least an inventive step regarding **D1**: EP-A-0 308 704; cf. claim 1 and Example 1. In D1 the reactant is also immobilised and contains a known quantity of the detectable label (cf. part c of Example 1), a sample is added/incubated and an enzymatic activity is measured after the incubation in a portion of the sample which has been transferred.

1.2. The present method of claim 1 (and claims 2-9), claim 10 (and claims 11-17) for measuring the activity or concentration of a bioactive molecule would appear to lack novelty or at least an inventive step regarding **D3**: WO-A-97/4343438; against present claim 1 (label/indicator with sample) see D3, e.g. claim 28 and also claim 44; against present claim 1 (label/indicator with bound reactant/bound first component) see D3, e.g. claim 15.

2). **Point VIII.**

2.1. The present claims are rendered unclear by the term "quantity" in claims 1 and 10, i.e. by the phrases (claim 1) "removing a quantity of detectable label from the sample by binding detectable label to the reactant coated on the reaction vessel" and "measuring the quantity...counting vessel" and (claim 10) "releasing a quantity of detectable label from the reactant by incubating the reaction vessel under conditions such that the reactant and the detectable label contact the bioactive molecule having biological activity" and "measuring the quantity...counting vessel".

2.2. Present claims 1 and 10 would not allow a skilled person to understand the proportionality (which must exist) between an "amount of label" (cf. examples in the description) and the activity/concentration to be measured.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
16 November 2000 (16.11.2000)

PCT

(10) International Publication Number  
**WO 00/68415 A3**

(51) International Patent Classification<sup>7</sup>: **G01N 33/543, C12Q 1/00**

(21) International Application Number: **PCT/CA00/00540**

(22) International Filing Date: **10 May 2000 (10.05.2000)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
2,270,639 ✓ **10 May 1999 (10.05.1999) CA**

(71) Applicants (for all designated States except US):  
**NORZYME, INC. [CA/CA]; 1839 Logan Avenue, Winnipeg, Manitoba R2R 0H4 (CA). THE UNIVERSITY OF MANITOBA [CA/CA]; Bannatyne Campus, 753 McDermot Avenue, Winnipeg, Manitoba R3E 0W3 (CA).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARQUARDT, Ronald, R. [CA/CA]; 878 Kilkenny Drive, Winnipeg, Manitoba R3T 4G3 (CA). GAN, Zhibo [CA/CA]; 1010-935 Dundas St. East, Mississauga, Ontario L4Y 4B7 (CA).**

(74) Agent: **ADE & COMPANY; 1700-360 Main Street, Winnipeg, Manitoba R3C 3Z3 (CA).**

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- *With international search report.*
- *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*

(88) Date of publication of the international search report:  
**1 February 2001**

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **A METHOD FOR MEASURING BIOMOLECULES**

(57) Abstract: Described herein is a method for detecting molecules with biological activity and determining the identity, amount and activity of same. The method involves the use of a vessel-based system which facilitates and simplifies the measurement of the amount and activity of enzymes, enzyme inhibitors, lectins, receptors and other biologically active substances comprising the steps of carrying out a biological reaction in a first vessel and then separating a labeled reactant from a labeled product by transferring a portion of the reaction mixture to a second vessel. Specifically, the surface of the first vessel is coated with a reactant, additional components are added, thereby forming a reaction mix, and the reaction is allowed to proceed for a given period of time. The soluble portion of the reaction mix is then transferred to a second vessel and the amount of reactant liberated into the reaction mix is counted.

**WO 00/68415 A3**

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>C12Q 1/00</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 00/68415</b> <b>(43) International Publication Date:</b> 16 November 2000 (16.11.00)
<b>(21) International Application Number:</b> PCT/CA00/00540 <b>(22) International Filing Date:</b> 10 May 2000 (10.05.00) <b>(30) Priority Data:</b> 2,270,639 10 May 1999 (10.05.99) CA <b>(71) Applicants (for all designated States except US):</b> NORZYME, INC. [CA/CA]; 1839 Logan Avenue, Winnipeg, Manitoba R2R 0H4 (CA). THE UNIVERSITY OF MANITOBA [CA/CA]; Bannatyne Campus, 753 McDermot Avenue, Winnipeg, Manitoba R3E 0W3 (CA). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> MARQUARDT, Ronald, R. [CA/CA]; 878 Kilkenny Drive, Winnipeg, Manitoba R3T 4G3 (CA). GAN, Zhibo [CA/CA]; 1010-935 Dundas St. East, Mississauga, Ontario L4Y 4B7 (CA). <b>(74) Agent:</b> ADE & COMPANY; 1700-360 Main Street, Winnipeg, Manitoba R3C 3Z3 (CA).		<b>(81) Designated States:</b> AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> A METHOD FOR MEASURING BIOMOLECULES <b>(57) Abstract</b> <p>Described herein is a method for detecting molecules with biological activity and determining the identity, amount and activity of same. The method involves the use of a vessel-based system which facilitates and simplifies the measurement of the amount and activity of enzymes, enzyme inhibitors, lectins, receptors and other biologically active substances comprising the steps of carrying out a biological reaction in a first vessel and then separating a labeled reactant from a labeled product by transferring a portion of the reaction mixture to a second vessel. Specifically, the surface of the first vessel is coated with a reactant, additional components are added, thereby forming a reaction mix, and the reaction is allowed to proceed for a given period of time. The soluble portion of the reaction mix is then transferred to a second vessel and the amount of reactant liberated into the reaction mix is counted.</p>		

*FOR THE PURPOSES OF INFORMATION ONLY*

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
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AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						